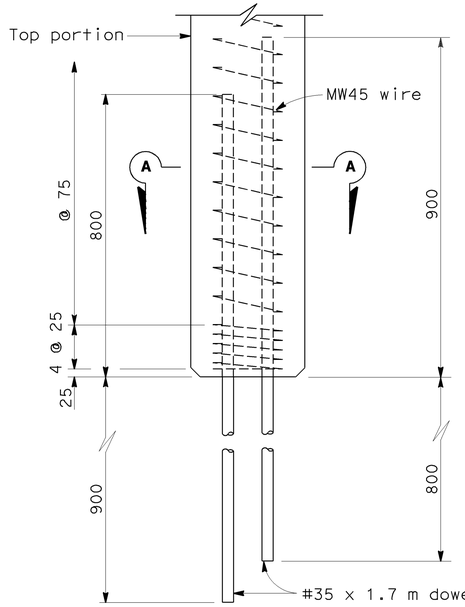
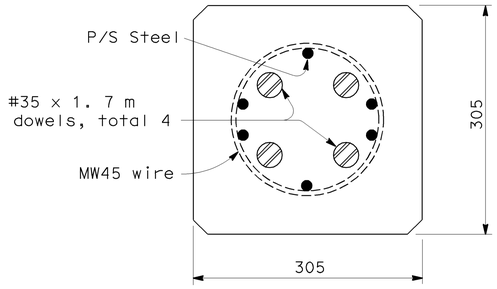
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED ENGINEER - CIVIL

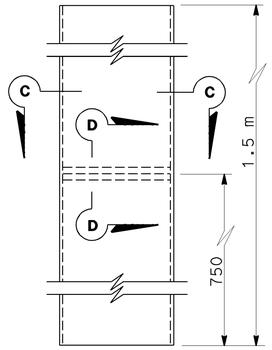
REGISTERED PROFESSIONAL ENGINEER — No. ____ Exp. ____ CIVIL — STATE OF CALIFORNIA

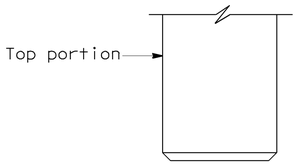
PLANS APPROVAL DATE

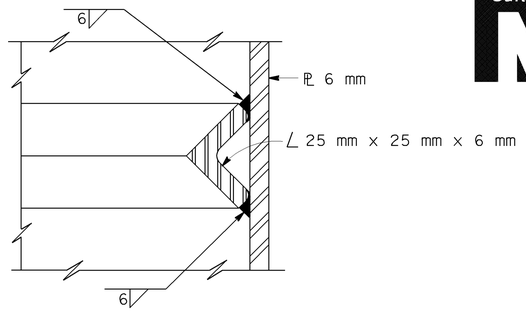




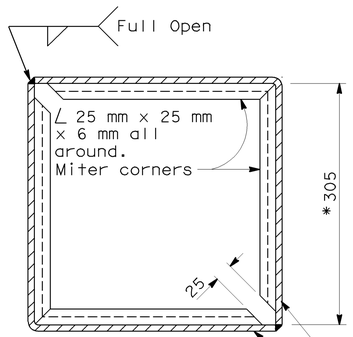
SECTION A-A





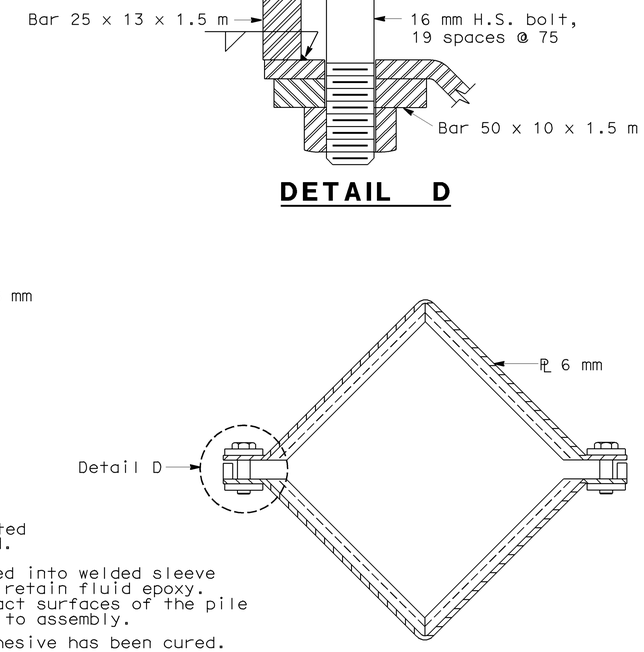


SECTION D-D

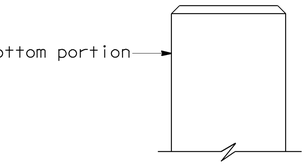


SECTION C-C
WELDED SLEEVE

* Dimension to match pile



DETAIL D



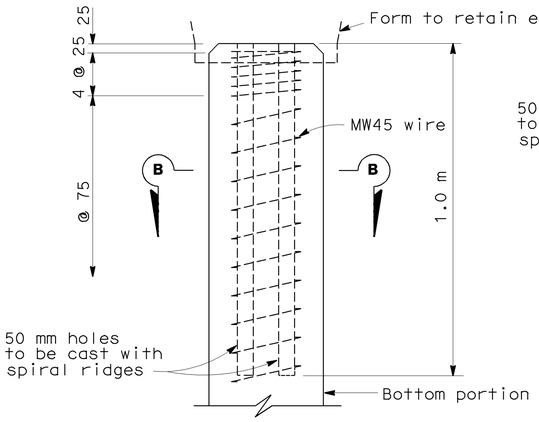
SLEEVE SPLICE ASSEMBLY

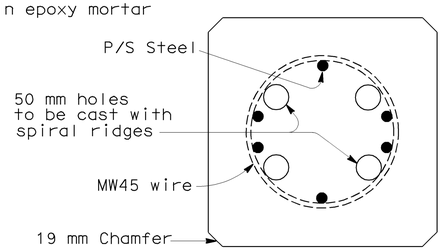
SECTION C-C
BOLTED SLEEVE

SLEEVE SPLICES

SLEEVE SPLICES

1. Bottom pile section to be firmly seated in ground before splicing may proceed.
2. Epoxy adhesive to be pressure injected into welded sleeve splice with sealing material used to retain fluid epoxy. Epoxy adhesive to be applied to contact surfaces of the pile and bolted sleeves immediately prior to assembly.
3. Driving to be resumed after epoxy adhesive has been cured. Heat may be used to cure.
4. Sleeve may be factory bonded to the lower pile section.





SECTION B-B

DOWEL SPLICE

DOWEL SPLICE

1. Bottom pile section to be firmly seated in ground before splicing may proceed.
2. Place form on bottom of pile so that excess epoxy mortar at splice will be retained and completely cover the joint.
3. Fill 50 mm holes three-fourths full and coat the joining surface of the bottom portion of the pile with epoxy mortar.
4. Insert top portion dowels into holes in bottom portion of pile immediately.
5. Driving to be resumed only after epoxy mortar has cured. Heat may be used to cure.

GENERAL NOTES

1. Design loading (Ultimate):

Tensile force	= 510 kN
Compressive force	= 2225 kN
Shearing force	= 310 kN
Design moment	= 100 N. m with zero axial load

2. Other methods of splicing may be used provided:
   (a) The above design load capacity is satisfied.
   (b) The cross-sectional area through the splice does not exceed the cross-sectional area of the pile by more than 25%.
   (c) Durability is equivalent to designs shown.

NO SCALE
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

STANDARD DRAWING				
RELEASE DATE 10/7/92	DESIGN	BY F. LEE 10/75	CHECKED E. PUCHI 10/75	RELEASED BY
FILE NO. xs6-020	DETAILS	BY R. YEE	CHECKED E. PUCHI 10/75	
	SUBMITTED	BY TED JENSEN 11/95	DRAWING DATE 4/87	OFFICE CHIEF

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.

KILOMETER POST

PRESTRESSED CONCRETE PILE SPLICE DETAIL

DS OSD 2147A (CADD 8/95)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU
EA

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | SHEET | OF

DATE PLOTTED => 16-JAN-2004 TIME PLOTTED => 15:27

USERNAME => jsanchez

xs6-020.dgn